

## Abstract of the Disclosure

The invention provides a motor core movable relative to a stator. The motor core and the stator core comprise base members and a plurality of adjacent tooth members with improved geometry. Each tooth member comprises a tooth surface and tooth sides. The tooth sides extend from the tooth surface toward the base member. At least one of the tooth sides comprises a tip portion and a base portion. The tip portion extends from the tooth surface to the base portion. The base portion extends from the tip portion to an adjoining base portion of a tooth side of an adjacent tooth member. The tip portion is curved.

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